ST. ROCH
Drainage Upgrades and Green Infrastructure
Hazard Mitigation Grant Program

Post 30% Project Update
June 2, 2016
St. Roch Project Background & Current Status

• Project Background
  • Allocation of $7,500,000 in FEMA Hazard Mitigation Grant Program (HMGP) funding to address chronic flooding and drainage issues in the St. Roch neighborhood.
  • Project area is 26 city blocks bounded by N. Robertson St., St. Claude Ave., Elysian Fields Ave. and Franklin Ave.

• Project Status
  • 10% Concept Design and Probable Cost Estimate Approved
  • 30% Project Scope Report supporting a Benefit-Cost Ratio (BCR) >1.0 Approved by DPW & FEMA
  • Awaiting notice to proceed (NTP) for 60% Design Phase
  • Awaiting finalization of contract amendments for Surveying, Geotechnical Investigation, and Environmental Site Assessment Services
• $5,737,000 Anticipated FEMA Construction Budget
  • Install / Upgrade Drainage to 10-YR, 24-HR Design Event
  • Incorporate Green Infrastructure (GI) into Drainage Design
  • Rebuild Roadway Infrastructure to promote GI integration

• Coordination for Services Not Funded By FEMA Grant
  • Rehabilitation / replacement of Water and Sanitary Sewer Infrastructure through S&WB
  • Utility Relocation / Abandonment through Utility Owners
  • Street Trees & Non-GI Plantings through Planning and / or Parks & Parkways
  • Avoidance of duplicative street and sidewalk repair work through Recovery Roads Program
Phase III Deliverables – March 1\textsuperscript{st}, 2017
- 60\% Plans
- Preliminary Design Report
- Updated Quantities & Cost Estimate

Phase IV Deliverables – June 8\textsuperscript{th}, 2017
- 90\% Plans
- Final Design Report
- Final Specs, Comps, Quantities & Costs
- Bid Proposal Package
- Drainage Model Updates

Advertise for Bid – September 22\textsuperscript{nd}, 2017

Phase V Deliverables – TBD
- Construction Administration
- Resident Inspection Services
St. Roch Project Goals

- Increased Public Safety
- Improved Resident Quality of Life
- Enhanced Community & Neighborhood Morale
- Reduced Resident Financial Burden
- Restored & Enhanced Multi-Modal Transportation Function
- Reduced Flooding & Increased Water Quality
- Minimized DPW & S&WB Maintenance Burden
- Avenues for Public Education & Community Outreach
- Provide a benchmark for all projects aimed at increasing the disaster (and day to day) resiliency of New Orleans
St. Roch
Proposed Limits of Work
St. Roch
Existing Conditions
St. Roch
Existing Conditions
St. Roch
Proposed Design Elements
St. Roch Proposed Design Elements

***Street Section will adapt to existing conditions such as fire hydrants, driveways, stoops, and other existing conditions. Above represents idealized cross section.***
St. Roch Anticipated Project Challenges

- Narrow Public Rights-of-Way (ROW)
  - Houses / Structures on ROW lines
  - Limited Areas for Green Infrastructure Sites
  - High On Street Parking Demands
- Less Than Optimal Site Conditions
  - Restrictive Soil Layers
  - Shallow Water Table
- Green Infrastructure Integration
  - Need for Broad Multi-Agency acceptance
  - Need for Community Acceptance
  - Need for Experienced Contractors
- Maintaining FEMA Dictated Deadlines
  - Uncontrolled delays
  - Scope Revisions
St. Roch Anticipated Project Challenges (cont’d)

- Coordination Between Multiple Agencies / Owners
  - DPW (Maintenance, Traffic, Engineering, Construction, Stormwater, Green Infrastructure)
  - S&WB (Water, Sanitary Sewer, Stormwater Utilities)
  - LA DOTD Orleans District
  - Entergy (Electric, Gas)
  - AT&T (Telecommunications)
  - Cox Cable (Telecommunications)
  - Planning Department
  - Department of Parks and Parkways
  - FEMA
  - Recovery Roads (N-Y Associates)
Questions, Comments or Concerns?

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